

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:32 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 499 Const Calendar Day: 581 Date: 06-Jan-2014 Monday

Inspector Name: Soheilifard, Saman Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 am 05:30 pm Break: 00:30 Over Time: 02:00

Federal ID:

Location:

Reviewer: Awal, Mohammad Approved Date: 30-May-14 Status: Approved

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather****Temperature** 7 AM 50 - 60 12 PM 60 - 70 4PM**Precipitation** none **Condition** ClearWorking Day ☒ If no, explain:**Diary:**

Dispute

Work description.

Monday, January 06, 2014

Fender Module Erection

Day 4: Modules RN1D & RN2B

At 8:30, Fender Module RN1D was lifted off Barge 217 to be placed next to module RN1C thus completing the placement of fenders on the South side of the Tower. The horizontal jacks were installed ahead of the erection.

- At 9:00, module hoisted over water;
- At 9:17, Start lowering into the water;
- At 9:31, module was vertically close to its final resting position and the lines from the DB Paula were slackened at this time;
- The corners of the module were drilled for the placement of survey targets. These holes need to be fixed and patched in the future before the final buy-off;
- At 9:38, begin the fine-tuning while the fender is still attached to DB is Paula as this module does not rest on false work;
- At 10:05, I received calls from Stanley & M. Awal pertinent to the e-mail I wrote them on what might be considered as excessive offset. Stanley instructed me to not direct Dutra's work & merely monitor the progress of work. Answers to my concerns, he added, would be responded by the DJV when posed by the Contractor.

- At 11:13, the spreader beam was removed once the high strength bars were de-tensioned;
- Attached the 5 temporary PT rods before lunch;

There existed both horizontal & vertical offsets between RN1D & RN4B, with the latter of the two erected on Saturday. The jacks were then connected to module RN1C in order to improve the alignment of the two modules. At about 11:30, satisfied with the outcome, Dutra disconnected the hoses to the jacks on RN1C module.

According to Chad Durant, Dutra's surveyor, the final parameters on this module were as follow:

Elev.: East side: 10.989m* & West side 10.929m*;

Laterally: Move 1 1/4" to the East

Hor.: Good

*NOTE: According to Chad, the TOW finished grade given to Chad (by ABF) is 10.869m. Per Plan, this elev. is 3.350m. The datum used is unknown to me. At any rate; the TOW is

The following numbers reflect the distance between the faces of the rib and the concrete face of the footing, which should be 500mm according to Section B-B, Plan sheet 992/1204. Each 500mm wide rib



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Soheilifard, Saman

Diary #: 499

Date: 06-Jan-2014

Monday

was measured at both ends. My survey on this fender resulted in the following numbers:

Fender Module RN1D

	West	East
Rib #1 (W.)	510	515
Rib #2 (mid.)	510	520
Rib #3 (E.)	535	<540

Between RN1D & RN3B

Gap:145mm (compare with ONLY 50mm on the Plans)

V. Offset: 26mm

H. Offset: 40mm RN1D N. of RN3B

With the closure pour gap on RN1D at about 540, the Horiz. Offset of 40mm with respect to RN3B will grow to about 80mm, if the 500mm dimension is to be adhered. However, it seems that the closure gap of 500mm as stated on the Plans is not a hard and fast rule as long as the UHMW panels are continuous around the perimeter.

Between RN1C & RN1B

Gap:375mm - Closure (compare with 408mm per Dutra's Plans)

V. Offset: 10mm

H. Offset: 10mm

- At 13:38, Barge 217 was moved into position next to DB Paula;
- At 13:46, A Module was rigged and was ready to be hoisted after the rods were tensioned. There was a problem with the rigging and the crew switched to another module altogether.
- At 14:27, it was Module RN2B that was hoisted over the water on the East side of the T 1 footing;
- At 14:35, DB Paula was being positioning to erect the module;
- At 14:44, module RN2B was hoisted over its final position;
- At 15:05, module RN2B was in the water;
- At 15:15, a few of the stainless steel bolts protruding from the face of the footing and interfering with the erection of this module were torched off;
- At 15:35, the 3 temporary PT rods were installed and the fine-tuning got underway. This is another module that is not set on false work. All Type 1s & Type 2 modules (8 of 16) are erected without false work. This fine-tuning was conducted with employing of crow bars (using the U-bars for leverage) in addition to come-alongs.
- At 16:00, Derek Chase one of the 3 divers, went in the water to inspect for anomalies and compliance. The diver communicates to the surface and his activities are watched in a monitor located at a cones box on the barge.
- At 16:15, the location of module RN2B was deemed acceptable;
- At 16:20, the spreader beam was removed;
- At 16:28, the 2 permanent PT rods were installed. The 3 permanent PT rods on module RN1D were installed and one temporary one removed after lunch. Therefore, at the end of the day, there were 3 permanent and 5 temporary rods on RN1D and 2 permanent and 3 temporary PT rods on module RN2B.
- At 16:30, DB Paula moved away from the footing;

According to Chad Durant, Dutra's surveyor, the final parameters on this module were as follow:

Elev.: North: Cut $\frac{1}{4}$ " & South: $\frac{1}{8}$ " (does not get much better than this)

Laterally: Move $\frac{1}{4}$ " to the South;

Hor.: OUT $1\frac{3}{4}$ " on the North side & $\frac{7}{8}$ " on the South side (should move in);

The following numbers reflect the distance between the faces of the rib and the concrete face of the footing, which should be 500mm according to Section B-B, Plan sheet 992/1204. Each 500mm wide rib was measured at both ends. My survey on this fender resulted in the following numbers:

Daily Diary Report by Bid Item

Job Name: 04-0120F4 **Inspector Name:** Soheilifard, Saman **Diary #:** 499 **Date:** 06-Jan-2014 **Monday**

Fender Module RN2B

	Nort	South
Rib #1 (N.)	540	540
Rib #2 (S.)	555	555

Between RN3B & RN1D

Gap:140mm

V. Offset:<25mm

H. Offset: >35mm RN1D N. of RN3B

Between RN1C & RN4D

Gap:83mm

V. Offset:<10mm

H. Offset: <60mm RN1C N. of RN4D

Between RN1C & RN1D

Gap:375mm – Closure Pour (Compare with 408 on Dutra's Plans)

V. Offset:10mm

H. Offset:10mm

NOTES: At 2 locations the horizontal offsets are clearly visible and warrant further investigation. These locations are the gap between RN1D & RN3B in addition to RN1C & RN4D. There exists a visible Vertical offset between the former pairs as well.

*Employees such as Ben, Ron, Luke and SteveFryer are not always present during the erection of fenders. Steve Fryer operates Phyllis and tug boats and the other guys return to EM1106 once the fender is lifted off Barge 217. Nevertheless, the names are submitted as if they are present during the erection operation.

SAFETY

At about 14:30, I called Ernie in regards to the safety concerns I had raised on the existence of excessive fumes & dust in the Tower in addition to the lack of adequate lighting (concerns that were all raised by the painters in addition to my own observations.) He told me that the issue was raised and addressed in the RE's weekly staff meeting this morning. He told me that Bill Casey indicated that he will hire a Certified Industrial Hygienist (CIH) to establish a baseline for the pollutions in the OBG & Tower. He stated that he did not know when the CIH will be present at the job site. He told me that he will make a trip to the job site tomorrow morning at about 10:00 at which point he can discuss this matter further. In the meantime, all the pollutants exist and all folks working in the OBG & Tower, particularly the workers remain exposed to the pollutants.

04-0120F4 Bid Item: 041 0-000-000.041 ERECT PRECAST CONCRETE FENDER MODULES

DUTRA MATERIALS

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: DUTRA MATERIALS								
Barge Captain		Joe Dunlap	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Piledriver	APP	ROBERT UTLEY	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Piledriver	GEN	TREVER MURRAY	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Piledriver	JNM	SAMI TAVAKE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Piledriver	JNM	RON TORRES	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Piledriver	JNM	WALTER QUINTERO	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Piledriver	JNM	GILBERT MAYA	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Piledriver	APP	JAMES SAVAGE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Operator		Bill Burch	8.00	2.00	0.00	10.00		<input type="checkbox"/>



Daily Diary Report by Bid Item

Job Name: 04-0120F4 **Inspector Name:** Soheilifard, Saman **Diary #:** 499 **Date:** 06-Jan-2014 **Monday**

Operator	OTH	STEVE FRIYER	8.00	2.00	0.00	10.00	<input type="checkbox"/>
Barge Captain		Garret silva	8.00	2.00	0.00	10.00	<input type="checkbox"/>
Barge Captain		Ryan Larder	8.00	2.00	0.00	10.00	<input type="checkbox"/>
Piledriver	JNM	GREG HAUFLE	8.00	2.00	0.00	10.00	<input type="checkbox"/>
Piledriver	JNM	Jason	8.00	2.00	0.00	10.00	<input type="checkbox"/>
Piledriver	JNM	Ben Utoloa	8.00	2.00	0.00	10.00	<input type="checkbox"/>
Piledriver	JNM	JON - PAUL CHENEY	8.00	2.00	0.00	10.00	<input type="checkbox"/>
Piledriver	JNM	LUKE HUDSON	8.00	2.00	0.00	10.00	<input type="checkbox"/>

Equipment

Equipment ID	Description	RT Hrs	OT Hrs	ST Hrs	IT Hrs	Rental Company	Remarks	Dispute
Contractor: DUTRA MATERIALS								
*E0070358						No		<input type="checkbox"/>
		3.00	0.00	0.00	0.00			<input type="checkbox"/>
*E0060358						No		<input type="checkbox"/>
		2.00	2.00	0.00	0.00			<input type="checkbox"/>
*E0660562						No		<input type="checkbox"/>
		2.00	2.00	0.00	0.00			<input type="checkbox"/>
*E0620562						No		<input type="checkbox"/>
		0.00	0.00	0.00	0.00			<input type="checkbox"/>

04-0120F4 Bid Item: 041 0-000-000.041 ERECT PRECAST CONCRETE FENDER MODULES

BALLAD DIVING

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: BALLAD DIVING								
Underwater Diver		Thomas Shelley	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Underwater Diver		Michael Dant	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Marine Coordinator		DERDK CHASE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Underwater Diver		ALEX DOSS	8.00	2.00	0.00	10.00		<input type="checkbox"/>

04-0120F4 Bid Item: 041 0-000-000.041 ERECT PRECAST CONCRETE FENDER MODULES

AMERICAN BRIDGE/FLUOR, A JV

04-0120F4 Bid Item: 078 T-L01-ENE.078 Tower Lift 01 External Paint Tower NE

CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L01-ENW.078 Tower Lift 01 External Paint Tower NW

CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L01-ESE.078 Tower Lift 01 External Paint Tower SE

CERTIFIED COATINGS COMPANY



Daily Diary Report by Bid Item

Job Name: 04-0120F4 Inspector Name: Soheilifard, Saman Diary #: 499 Date: 06-Jan-2014 Monday

04-0120F4 Bid Item: 078 T-L01-ESW.078 Tower Lift 01 External Paint Tower SW
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L01-INE.078 Tower Lift 01 Internal Paint Tower NE
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L01-ISW.078 Tower Lift 01 Internal Paint Tower SW
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L01-ISE.078 Tower Lift 01 Internal Paint Tower SE
CERTIFIED COATINGS COMPANY

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: CERTIFIED COATINGS COMPANY								
Painter	JNM	HECTOR GUITTEREZ	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Painter	JNM	LUIS PANIAGUA	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Painter	APP	RAFAEL SERANO	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Piledriver	JNM	ARMANDO ABERTA	0.00	0.00	0.00	0.00		<input type="checkbox"/>

04-0120F4 Bid Item: 078 T-L01-ISW.078 Tower Lift 01 Internal Paint Tower SW
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L02-ENE.078 Tower Lift 02 External Paint Tower NE
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L02-ENW.078 Tower Lift 02 External Paint Tower NW
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L02-ESE.078 Tower Lift 02 External Paint Tower SE
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L02-ESW.078 Tower Lift 02 External Paint Tower SW
CERTIFIED COATINGS COMPANY



Daily Diary Report by Bid Item

Job Name: 04-0120F4 **Inspector Name:** Soheilifard, Saman **Diary #:** 499 **Date:** 06-Jan-2014 **Monday**

04-0120F4 Bid Item: 078 T-L02-INE.078 Tower Lift 02 Internal Paint Tower NE
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L02-INW.078 Tower Lift 02 Internal Paint Tower NW
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L02-ISE.078 Tower Lift 02 Internal Paint Tower SE
CERTIFIED COATINGS COMPANY

04-0120F4 Bid Item: 078 T-L02-ISW.078 Tower Lift 02 Internal Paint Tower SW
CERTIFIED COATINGS COMPANY

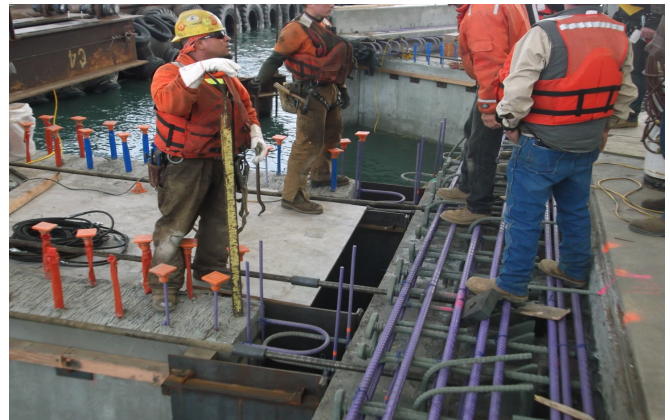
CCO-289 Bid Item: 001 0-FCP-ELS.289 Fender Closure Pour
DUTRA MATERIALS

CCO-323 Bid Item: 001 0-BCS-ELS.323 Pier T1 Bubble Curtain System
DUTRA MATERIALS

Attachment



AfterErecting RN2B (1)



AfterErecting RN2B (4)

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Soheilifard, Saman

Diary #: 499

Date: 06-Jan-2014

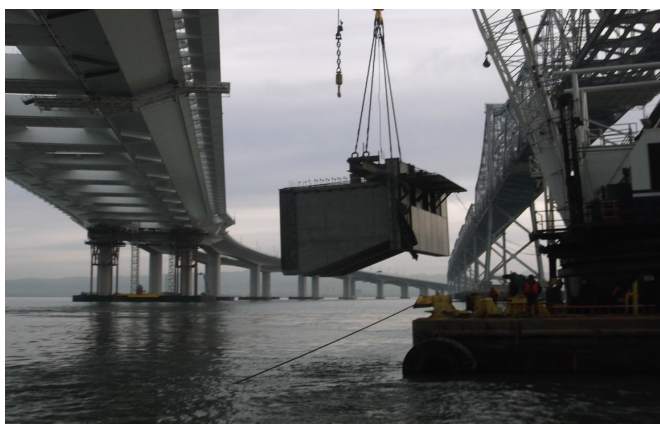
Monday



ErectinModule RN1D (3)



AfterErecting RN2B (3)



ErectinModule RN1D (1)



Module RN2B (1)



RN1D&RN3B(5)



ErectinModule RN1D (8)

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Soheilifard, Saman

Diary #: 499

Date: 06-Jan-2014

Monday



AfterErecting RN2B (2)



Module RN2B (4)



ErectinModule RN1D (9)



ErectinModule RN1D (5)



RN1D&RN3B(4)



AfterErecting RN2B (5)

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Soheilifard, Saman

Diary #: 499

Date: 06-Jan-2014

Monday



RN1D&RN3B(3)